

ABSTRACT

[021] A flat, rolled semi-finished product made of an aluminum alloy and a method of producing the product are disclosed. The aluminum alloys has the following alloy proportions in weight percentages: $2 \leq \text{Mg} \leq 5$, $\text{Mn} \leq 0.5$, $\text{Cr} \leq 0.35$, $\text{Si} \leq 0.4$, $\text{Fe} \leq 0.4$, $\text{Cu} \leq 0.3$, $\text{Zn} \leq 0.3$, $\text{Ti} \leq 0.15$, other elements totaling no more than 0.15 and separately not exceeding 0.05, and the remainder consists of Al. The semifinished product is rolled from a bar and, during the rolling process, is subjected to at least one intermediate tempering between two cold reduction passes and to a final soft-annealing in a chamber furnace. A semi-finished product of this type does not have any flow lines after shaping or deep-drawing if the degree of reshaping before the first intermediate tempering is equal to at least 50%, the degree of reshaping before the final soft-annealing is no greater than 30%, and the semifinished product is drawn by 0.1 to 0.5% after the final soft-annealing.